

KEITH ALLEN WALKER, Ph.D.
CURRICULUM VITAE

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PERSONAL

Date of Birth: October 17, 1948

EDUCATION

College College of Wooster, Wooster, Ohio
B.A., June, 1970
Major: Biology Minor: Chemistry
Awards: Honors in Biology

Graduate School Yale University, New Haven, Connecticut
Ph.D., Biology, June, 1974
Major: Cellular, Genetic, and Developmental Biology
Thesis: The Metabolism of Phytic Acid in Phaseolus vulgaris L.

Awards: Joseph F. Retger Fellow
September, 1970 - June, 1971
NIH Predoctoral Fellow
June, 1971 - June, 1974

PROFESSIONAL EMPLOYMENT

February 1998 President, Plant and Industrial Products Division
Present KIMERAGEN, INC.

December 1992 Director, Business Development and Licensing
February 1998 MYCOGEN CORPORATION

Executive Director, Biotechnology Research
MYCOGEN CORPORATION

Executive Director, Planning and Licensing
MYCOGEN CORPORATION

July 1989 December 1992	Executive Director, Development & Licensing AGRIGENETICS COMPANY
September 1982 June 1989	Vice President, Research Director and Co-Founder PLANT GENETICS, INC.
June 1981 September 1982	Director, Product Development, and Co-Founder PLANT GENETICS, INC.
November 1979 June 1981	Senior Research Group Leader, MONSANTO AGRICULTURAL PRODUCTS CO.
November 1976 November 1979	Research Group Leader, MONSANTO AGRICULTURAL PRODUCTS CO.
June 1974 November 1976	Senior Research Biologist, MONSANTO AGRICULTURAL PRODUCTS CO.

AREAS OF PROFESSIONAL EXPERTISE

General management of research and development, strategic technical and market planning, plant cell biology, plant tissue culture, somatic cell genetics, whole plant physiology, screening programs.

ORGANIZATIONS AND OTHER

- Sigma Xi
- American Society for Plant Physiologists
- Crop Science Society of America
- American Society of Agronomy
- Licensing Executives Society
- Association for the Advancement of Industrial Crops
- American Oil Chemists' Society
- Associate Editor, Plant Cell Tissue and Organ Culture, 1986-Present
- Chairman, Gordon Research Conference on Plant Cell and Tissue Culture, 1987

PUBLICATIONS

Walker, K.A. 1974. The Metabolism of Phytic Acid in *Phaseolus vulgaris* L., Ph.D. Thesis, Yale University, New Haven, Connecticut.

Walker, K.A. 1974. Changes in Phytic Acid and Phytase During Early Development of *Phaseolus vulgaris* L., *Planta*, 116:91-98.

Walker, K.A.; Yu, P.C.; Sato, S.J. and E.G. Jaworski. 1978. The Hormonal Control of Organ Formation in Callus of *Medicago sativa* L. Cultured *in vitro*, *Am. J. Bot.*, 65:654-659.

Walker, K.A.; Wendeln, M.L. and E.G. Jaworski. 1979. Organogenesis in Callus Tissue of *Medicago sativa*. Temporal Separation of Induction Processes, *Plant Sci. Letters*, 16:23-30.

Walker, K.A. 1980. Polyploidy in Agriculture: Summary. In *Polyploidy*, Lewis, W., Ed., Plenum Press, New York, pp. 491-493.

Walker, K.A. and S.J. Sato. 1981. Morphogenesis in Callus Tissue of *Medicago sativa*: The Role of Ammonium Ion in Somatic Embryogenesis, *Plant Cell Tissue Organ Culture* 1:109-121.

Walker, K.A. and C.J. Sluis. 1983. *In vitro* Plant Production - Costs and Methodologies. Proceedings Biotechnology Conference, Battelle Columbus Laboratories. December 1983.

McCoy, T. and K.A. Walker. 1984. Alfalfa. *Handbook of Plant Cell Culture*, Vol. 3, MacMillan Press, pp. 171-193.

Sluis, C.J. and K.A. Walker. 1985. Commercialization of Plant Tissue Culture Propagation. *Newsletter, International Association of Plant Tissue Culture*. #47.

Stuart, D.A.; Nelson, J.; McCall, C.M.; Strickland, S.G. and K.A. Walker. 1985. Physiology of the Development of Somatic Embryos in Cell Cultures of Alfalfa and Celery. *Biotechnology in Plant Science: Relevance to Agriculture in the Eighties*. Milton Zaitlin, Peter Day and Alexander Hollaender. Eds. pp. 35-47. Redenbaugh, K.; Paasch, B.; Nichol, J.; Kossler, M.; Viss, P. and K. Walker. 1986. Somatic Seeds: encapsulation of asexual embryos. *Biotechnology*, Vol. 4, 9/86.

Walker, K.A. 1986. Automation of *In Vitro* Plant Propagation: Has the Time Finally Arrived? *Genetic Engineering News*. July 1986.

Bingham, T.; McCoy, T. and K.A. Walker. 1988. Tissue Culture Genetic Engineering. *Alfalfa Science and Technology*, 2nd Edition. 1988.

Redenbaugh, K. and K. Walker. 1990. Role of Artificial Seeds in Alfalfa Breeding. In *Plant Tissue Culture: Applications and Limitations*. S.S. Bhojwani, Ed. Elsevier, NY, NY. pp. 102-135.